



US006082698A

United States Patent [19]**Dubois**[11] **Patent Number:** **6,082,698**[45] **Date of Patent:** **Jul. 4, 2000**[54] **CAPTIVE SOFT FOAM SHOCK MOUNT SYSTEM**[75] **Inventor:** Neil J. Dubois, Cranston, R.I.[73] **Assignee:** The United States of America as represented by the Secretary of the Navy, Washington, D.C.[21] **Appl. No.:** 09/090,336[22] **Filed:** May 27, 1998[51] **Int. Cl.⁷** F16M 13/00; F16M 1/00[52] **U.S. Cl.** 248/568; 248/581; 248/638[58] **Field of Search** 248/560, 568,
248/570, 581, 603, 604, 605, 606, 610,
611, 612, 613, 632, 634, 633, 638, 678;
14/73.5[56] **References Cited****U.S. PATENT DOCUMENTS**

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A shock mounting system for use in a housing is disclosed. The shock mounting system includes a shock absorbing base mount member connectable to the housing, a shock absorbing stability mount connectable to the housing, and a mountable component interposed between and secured to each of the base mount member and the stability mount member. The interposition of the mountable component between the shock absorbing base mount member and the shock absorbing stability mount isolates the mountable component from shock due to an external force applied to the housing.

10 Claims, 4 Drawing Sheets